

WHAT IS CLAIMED IS:

1. An image signal processing apparatus comprising:
  - an operation device which accepts operational instructions for
  - 5 changing an image quality parameter of an inputted image signal;
  - an image signal generation circuit which generates an image signal for displaying at least two identical images based on the inputted image signal on one image plane;
  - an image quality adjusting circuit which performs an image quality
  - 10 adjusting processing based on an image quality parameter before adjusting image quality with respect to a part of the generated image signal for displaying one of the identical images, and performs an image quality adjusting processing based on an image quality parameter after
  - 15 adjusting image quality with respect to another part of the generated image signal for displaying another one of the identical images, in response to the operational instructions for changing the image quality parameter accepted by the operation device.
2. The image signal processing apparatus according to claim 1,
- 20 wherein the image signal generation circuit generates an image signal for displaying at least two identical images based on the inputted image signal on one image plane in response to the operational instructions for changing the image quality parameter accepted by the operation device.
- 25 3. The image signal processing apparatus according to claim 1, wherein the apparatus further comprises:
  - an image quality parameter displaying signal generation circuit

which generates an image quality parameter displaying signal for displaying adjusted values of the image quality parameters before and after adjusting image quality; and

a superimposing circuit which superimposes the image quality parameter displaying signal on the generated image signal for displaying  
5 at least two identical images.

4. The image signal processing apparatus according to claim 1, wherein

10 the image signal generation circuit comprises:

a first line memory which stores a half horizontal scanning period of image data with respect to one horizontal scanning period of the inputted image data;

a second line memory which stores the same image data as that  
15 the first line memory stores, the same image data being a half horizontal scanning period of image data; and

a reading out device which reads out the half horizontal scanning period of image data stored in the first line memory at one half period in one horizontal scanning period, and reads out the half horizontal  
20 scanning period of image data stored in the second line memory at the other half period in one horizontal scanning period, and

the image quality adjusting circuit adjusts the half horizontal scanning period of image data read out from the first line memory in accordance with the image quality parameter before adjusting image  
25 quality, and adjusts the half horizontal scanning period of image data read out from the second line memory in accordance with the image quality parameter after adjusting image quality.

5. An image signal processing method comprising the processes of:

accepting operational instructions for changing an image quality  
5 parameter of an inputted image signal;

generating an image signal for displaying at least two identical  
images based on the inputted image signal on one image plane;

performing an image quality adjusting processing based on an  
image quality parameter before adjusting image quality with respect to a  
10 part of the generated image signal for displaying one of the identical  
images; and

performing an image quality adjusting processing based on an  
image quality parameter after adjusting image quality with respect to  
another part of the generated image signal for displaying another one of  
15 the identical images, in response to the accepted operational instructions  
for changing the image quality parameter.

6. The image signal processing method according to claim 5,  
wherein the process of generating an image signal generates an image  
20 signal for displaying at least two identical images based on the inputted  
image signal on one image plane in response to the accepted operational  
instructions for changing the image quality parameter.

7. The image signal processing method according to claim 5,  
25 wherein the method further comprises the processes of:

generating an image quality parameter displaying signal for  
displaying adjusted values of the image quality parameters before and

after adjusting image quality; and

superimposing the image quality parameter displaying signal on the generated image signal for displaying at least two identical images.

5        8. The image signal processing method according to claim 5, wherein

the process of generating the image signal for displaying at least two identical images comprises the processes of:

storing a half horizontal scanning period of image data in a first  
10 line memory with respect to one horizontal scanning period of the inputted image data;

storing the same image data in a second line memory as that the first line memory stores, the same image data being a half horizontal scanning period of image data;

15 reading out the half horizontal scanning period of image data stored in the first line memory at one half period in one horizontal scanning period; and

reading out the half horizontal scanning period of image data stored in the second line memory at the other half period in one horizontal  
20 scanning period,

the process of performing an image quality adjusting processing based on an image quality parameter before adjusting image quality comprises the process of adjusting the half horizontal scanning period of image data read out from the first line memory in accordance with the  
25 image quality parameter before adjusting image quality, and

the process of performing an image quality adjusting processing based on an image quality parameter after adjusting image quality

comprises the process of adjusting the half horizontal scanning period of image data read out from the second line memory in accordance with the image quality parameter after adjusting image quality.